Ecomagination at GE

Mercury Solutions

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Ecomagination at GE

The world's most pressing challenges present an opportunity to do what we do best ... imagine, solve and build innovative solutions that benefit both customers and society



GE Environmental Strategy

Mercury – A tough emission challenge

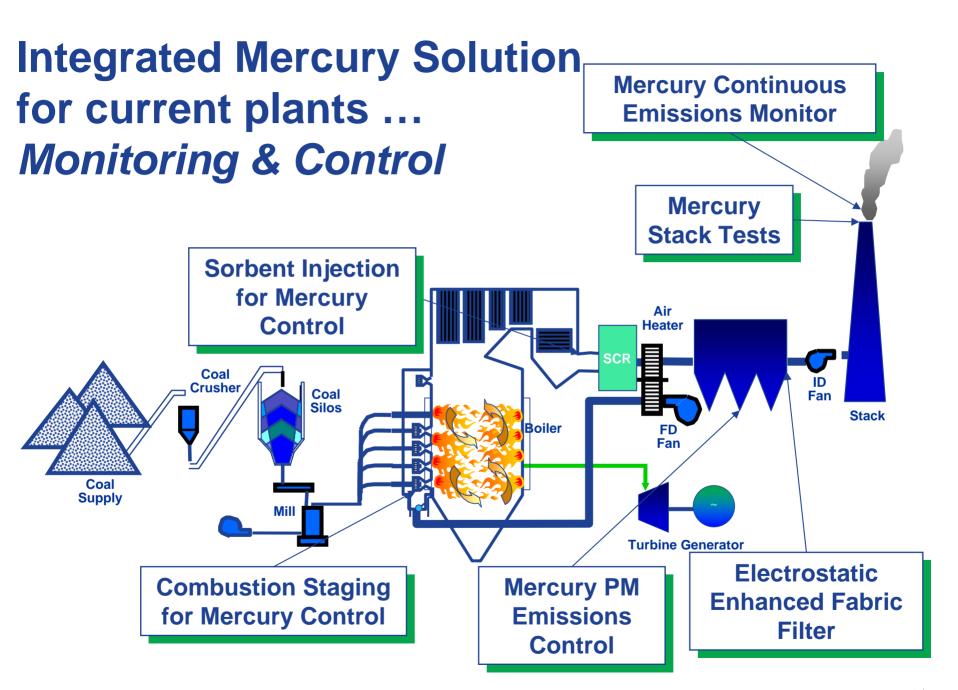
Current Coal Plants

Reduction opportunity of 90% through Integrated Solutions

- Combustion Staging for mercury and NO_x control
- Sorbent injection including activated carbon
- ESP upgrade for particulate matter (PM) and mercury control
- Fabric filter retrofit for PM and mercury control
- Mercury monitoring

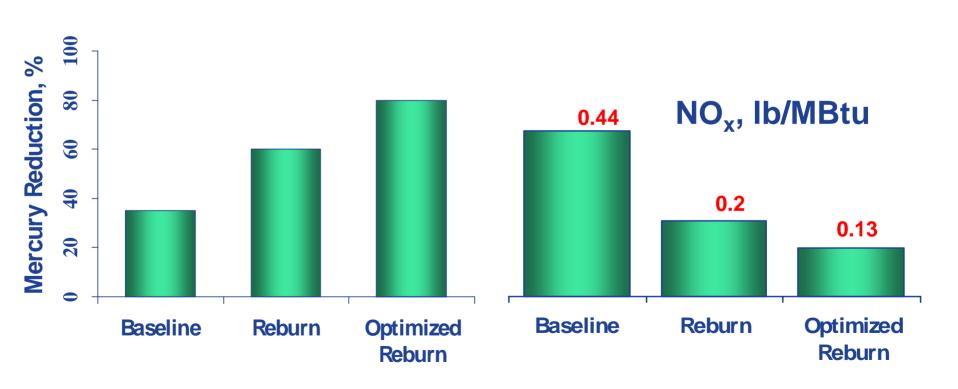
Future Coal Plants

Integrated Gasified Combined Cycle (IGCC) Solutions have 90% + reductions



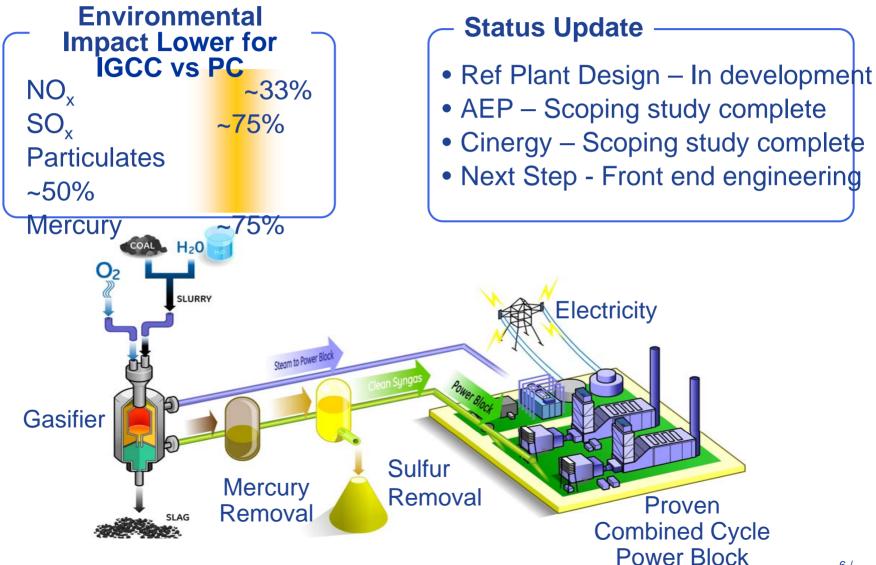
Field Trials at Green Station

- DOE and GE sponsored
- 250 MW wall-fired unit with coal reburn
- Eastern US Bituminous coal
- Cold side Electrostatic precipitator (ESP)



IGCC vs. Pulverized Coal

Superior environmental performance meets regulatory and market demands





Additional Mercury Information on Existing & New Power plants available

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